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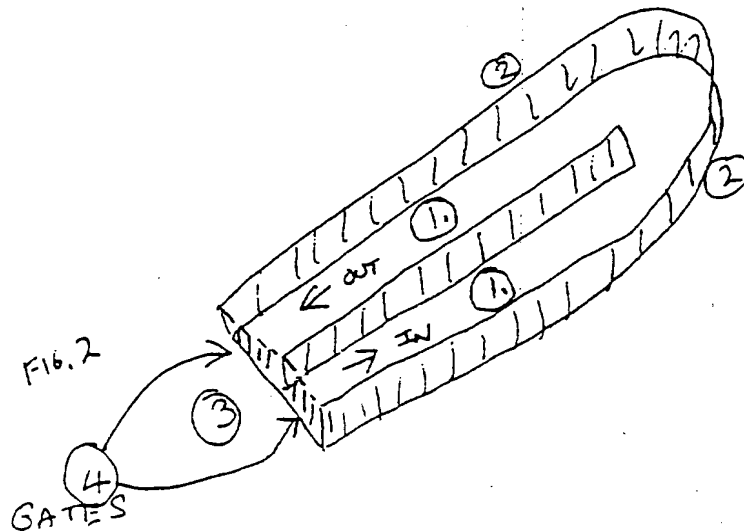
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GB 2247068 A EP 0499013 A1 US 5247798 A
US 4510770 A US 4368625 A US 4194647 A

(58) Field of Search
UK CL (Edition P) F4H H2A H3
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(54) Abstract Title
Shelving for a refrigerated cabinet

(57) Shelving for storing beer in a refrigerated cabinet is in the form of a U allowing the coldest beer to be served first to the customer. New bottles are placed onto the shelving at the entrance to the U, allowing efficient stock rotation. The shelving may be removable for cleaning purposes. The shelving may include spring mounted entrance and exit gates (4).



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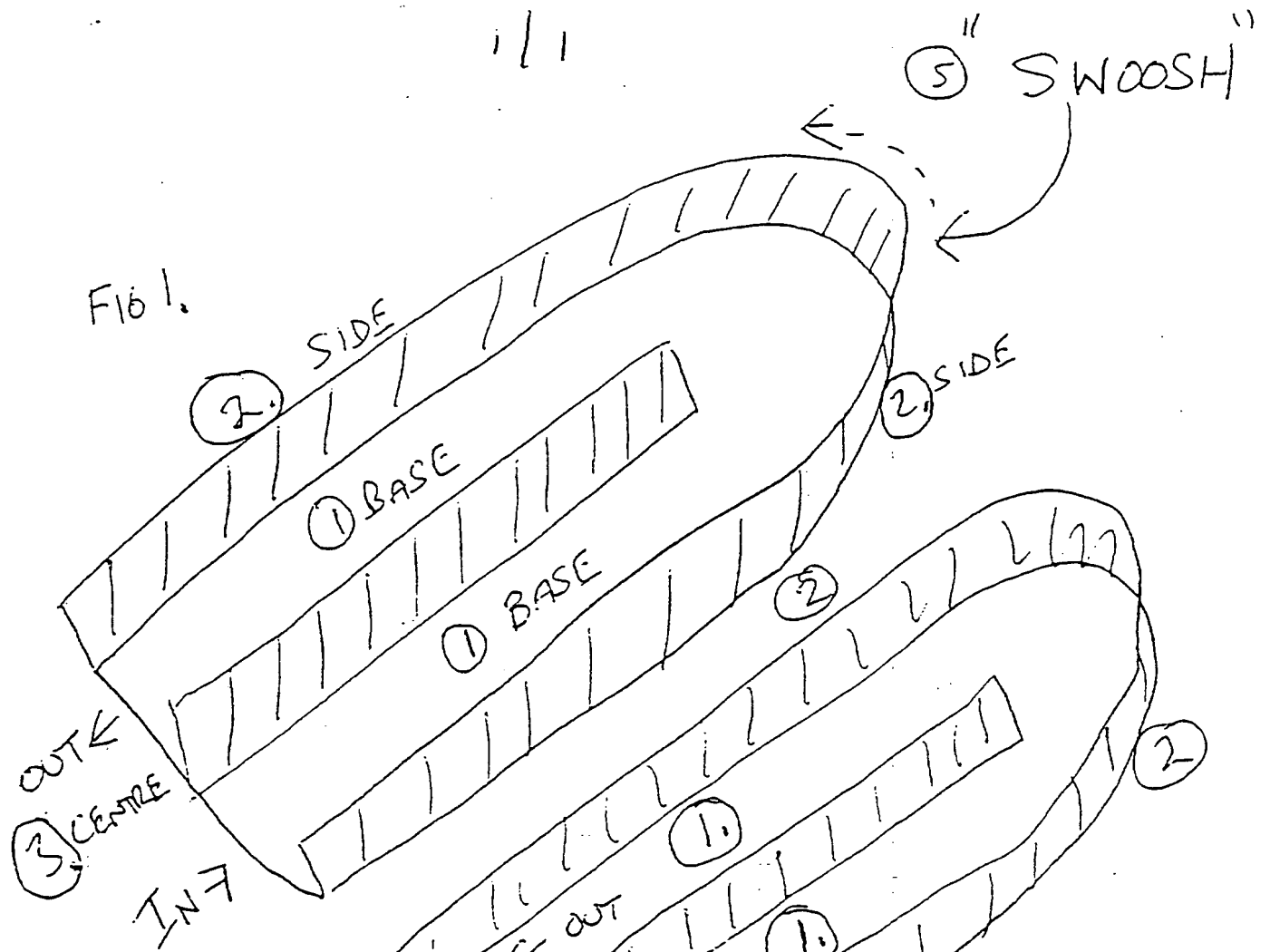
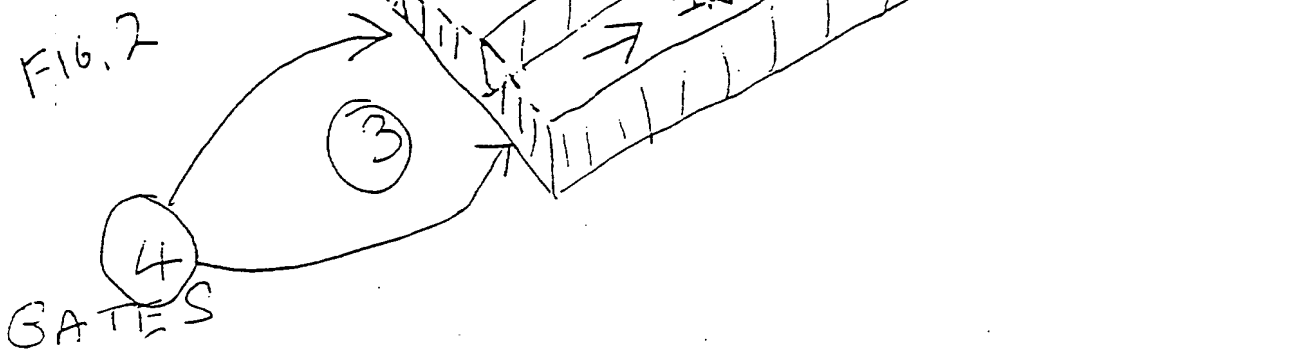


FIG. 2



THE SWOOSHER

- A. THE SWOOSHER IS A DEVICE THAT ENSURES THE COLDEST STOCK UNIT IS DISPENSED.
- B. COLD CABINETS ARE NORMALLY IRREGULARLY FILLED AND THEREFORE RANDOM DECISIONS ARE FREQUENTLY MADE WHEN DISPENSING A UNIT FROM A COLD CABINET. HEALTH AND SAFETY IS ALSO PROPOSITIONED AS STAFF OFTEN "EMPTY" CABINETS TO ENSURE THAT FRESHLY PLACED UNITS I.E. WARM UNITS BECOME EMPLACED AT THE CABINET'S REAR. LOOSE UNITS (I.E. BOTTLES, CANS, ETC) MAY LITTER THE WORKPLACE. CAUSING POTENTIAL ACCIDENTS, TIME AND ENERGY IS WASTED.
- C. CURRENT PROCEDURES ALLOW STAFF TO DEPOSIT UNITS RANDOMLY IN THE COLD CABINET. THE SWOOSHER WILL HAVE AN IDENTIFIABLE "IN" FOR WARM AND "OUT" FOR COLD. IT IS UNIMPORTANT WHICH AVENUE IS CHOSEN

FIG 1. SHOWS AN OPEN SWOOSHER I.E. ONE WITH NO GATES.

FIG 2. SHOWS ONE WITH GATES ON EITHER SIDE 4. THERE MAY BE ONE GATE/TWO GATES/EITHER FIXED OR SPRING MOUNTED OR BRUSH MOUNTED THE GATES ARE NOT FUNDAMENTAL.

FIG 1. THE "SWOOSH" $\frac{1}{2}$ MAY BE ASSISTED BY BALL BEARINGS, TURNTABLES AND SO ON

THE SWOOSHER CAN BE BUILT INDIVIDUALLY OR IN GROUPS OR AS PART OF A SHELVING SYSTEM BUILT BY SUITABLE MATERIALS.

Claims

The '**swoosher**' boasts ten improvements to conventional practises.

1. It ensures consistently the coldest beer is presented to the customer, thus saving staff time in searching / restocking the cabinets.
2. It enables easy re-stocking as the items literally '**swoosh**' around the unit.
3. The "oldest bottles" can be inserted thus providing efficient 'stock rotation' - ensuring 'old' items (ie., past their 'sell buy' dates) don't linger in the cabinet unnoticed.
4. Stock control / stocktaking is simplified as the sides of the units can be 'notched' to identify the quantity of contents 'at a glance'.
5. The front gate can be 'personalised' to incorporate a corporations / hotels / pubs / beers logo. This is a tremendous advertising bonus especially in the promotion of new products.
6. From point 5. To enhance the longevity and flexibility of the '**swoosher**' self adhesive labels will be provided that simply cover any existing logo. This is practical as drinks come in and go out of fashion.
7. The '**swoosher**' saves on staff training as it is foolproof.
8. It provides neater presentation of products as staff normally pack coolers in a haphazard way.
9. It provides an efficient storage system, for example when coolers have to be cleaned the '**swoosher**' can be removed and replaced entirely, thus saving handling lots of bottles / cans etc.
10. The '**swoosher**' is available in a wide range of colours so should a corporation wish to highlight a product generally it can do so with ease.



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Claims searched: All

Examiner: M C Monk
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Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

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Other:

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	GB 2247068 A INVICTA PLASTICS LTD Consider whole document	All
X	EP 0499013 A1 TSUNG-MING WANG Consider whole document	All
X	US 5247798 ELWOOD H CARPENTER Consider whole document	All
X	US 4510770 THOMAS K ZIEGLER Consider whole document	All
X	US 4368625 WHIRLPOOL CORPORATION Consider whole document	All
X	US 4194647 HARRY A SPURRIER Consider whole document	All

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

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